Title (en)

METHOD FOR CONTROLLING IMAGE-FORMING APPARATUS

Title (de)

VERFAHREN ZUR STEUERUNG EINER BILDERZEUGUNGSVORRICHTUNG

Title (fr)

PROCEDE PERMETTANT DE COMMANDER UN APPAREIL FORMANT UNE IMAGE

Publication

EP 1763694 A4 20100421 (EN)

Application

EP 05751083 A 20050614

Priority

- JP 2005011215 W 20050614
- JP 2004192338 A 20040629
- JP 2005135499 A 20050509

Abstract (en)

[origin: WO2006001235A1] Even in an image-forming apparatus including an optical deflection apparatus using a light source such as a high-power laser light source, a variation in temperature of an optical deflector due to modulation of deflected light based on drawing data is compensated to maintain a preferable oscillation state of the optical deflection apparatus. The optical deflection apparatus includes an optical deflector in which an oscillator is supported by an elastic support member to be oscillatable about a support substrate and at least one light source, and the optical deflection apparatus is controlled such that total power of light emitted from the light source to the optical deflector within each of a plurality of divided time regions corresponding to specific times of equal lengths becomes a predetermined power. A changed temperature of the optical deflector which is caused due to a variation in power of light emitted from the light source to the optical deflector may be corrected by a temperature control element based on the power of the light emitted from the light source to the optical deflector within the specific time to control the optical deflection apparatus.

IPC 8 full level

G02B 26/10 (2006.01); **B41J 2/44** (2006.01); **H04N 1/036** (2006.01); **H04N 1/113** (2006.01)

CPC (source: EP)

G02B 26/127 (2013.01); **H04N 1/00978** (2013.01); **H04N 1/00986** (2013.01); H04N 2201/0082 (2013.01)

Citation (search report)

- [XA] US 6297898 B1 20011002 - TANIJIRI YASUSHI [JP], et al
- See also references of WO 2006001235A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 2006001235 A1 20060105; EP 1763694 A1 20070321; EP 1763694 A4 20100421; JP 2006047977 A 20060216; JP 5159028 B2 20130306; KR 100907829 B1 20090714; KR 20070035052 A 20070329; US 2007052797 A1 20070308; US 7843618 B2 20101130

DOCDB simple family (application)

JP 2005011215 W 20050614; EP 05751083 A 20050614; JP 2005135499 A 20050509; KR 20077002158 A 20050614; US 57660905 A 20050614